

ABSTRACT OF THE DISCLOSURE

A single or multi-component particulate tape and a method and apparatus for making the single or multi-component particulate tape. More particularly, the present invention relates to a single or multi-component particulate tape and method for making a single or multi-component particulate tape using the process of electrophoretic deposition. These tapes and tapes produced using these methods can be used to make single or multi-layer electronic devices such as capacitors, varistors, inductors, and the like, as well as structural laminate components. The method comprises casting a tape by electrophoretic deposition and also or alternatively depositing additional functional materials on or into the cast tape by electrophoresis.